SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)

Receipt date: 05/10/2010

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Liew et al. Attorney Docket: 3155/121

Serial No: 10/753,976 Art/Group Unit: 3737

Filing Date: January 7, 2004 Examiner Name: Ramirez, John Fernando

Conf. No.: 6434

Invention: METHODS OF PREDICTING MUSCULOSKELETAL DISEASE

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

U.S. PATENT DOCUMENTS									
Examiner	Reference	Document	Issue Date	Inventor	Class/				
Initials	Number	Number		l .	Subclass				
	AH	US 2,274,808	Mar. 3, 1942	Rinn	250/69				
	AI	US 3,924,133	Dec. 2, 1975	Reiss	250/408				
	AJ	US 4,012,638	Mar. 15, 1977	Altschuler et al.	250/491				
	AK	US 4,126,789	Nov. 21, 1978	Vogl et al.	250/505				
	AL	US 4,233,507	Nov. 11, 1980	Volz	250/252				
	AM	US 4,251,732	Feb. 17, 1981	Fried	250/479				
	AN	US 4,298,800	Nov. 3, 1981	Goldman	250/445T				
	AO	US 4,356,400	Oct. 26, 1982	Polizzi et al.	378/138				
	AP	US 4,400,827	Aug. 23, 1983	Spears	378/207				
	AQ	US 4,593,400	Jun. 3, 1986	Mouyen	378/99				
	AR	US 4,649,561	Mar. 10, 1987	Arnold	378/207				
	AS	US 4,686,695	Aug. 11, 1987	Macovski	378/146				
	AT	US 4,782,502	Nov. 1, 1988	Schultz	378/18				
	AU	US 4,922,915	May 8, 1990	Arnold et al.	128/653 R				
	AV	US 4,956,859	Sep. 11, 1990	Lanza et al.	378/157				
	AW	US 4,985,906	Jan. 15, 1991	Arnold	378/18				
	AX	US 5,001,738	Mar. 19, 1991	Brooks	378/170				
	AY	US 5,090,040	Feb. 18, 1992	Lanza et al.	378/62				
	AZ	US 5,122,664	Jun. 16, 1992	Ito et al.	250/327.2				
	BA	US 5,127,032	Jun. 30, 1992	Lam et al.	378/189				
	BB	US 5,150,394	Sep. 22, 1992	Karellas	378/62				
	BC	US 5,172,695	Dec. 22, 1992	Cann et al.	128/653.1				
	BD	US 5,187,731	Feb. 16, 1993	Shimura	378/207				
	BE	US 5,200,993	Apr. 6, 1993	Wheeler et al.	379/96				
	BF	US 5,222,021	Jun. 22, 1993	Feldman et al.	364/413.14				
	BG	US 5,235,628	Aug. 10, 1993	Kalender	378/207				
	ВН	US 5,271,401	Dec. 21, 1993	Fishman	128/654				
	BI	US 5,384,643	Jan. 24, 1995	Inga et al.	358/403				

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Initials	Number	Number			Subclass
	BJ	US 5,476,865	Dec. 19, 1995	Panetta et al.	514/369
	BK	US 5,493,593	Feb. 20, 1996	Müller et al.	378/19
	BL	US 5,493,601	Feb. 20, 1996	Fivez et al.	378/207
	BM	US 5,513,240	Apr. 30, 1996	Hausmann et al.	378/170
	BN	US 5,521,955	May 28, 1996	Gohno et al.	378/18
	BO	US 5,537,483	Jul. 16, 1996	Stapleton et al.	382/309
	BP	US 5,562,448	Oct. 8, 1996	Mushabac	433/215
	BQ	US 5,565,678	Oct. 15, 1996	Manian	250/252.1
	BR	US 5,592,943	Jan. 14, 1997	Buhler et al.	128/661.03
	BS	US 5,600,574	Feb. 4, 1997	Reitan	364/552
	BT	US 5,657,369	Aug. 12, 1997	Stein et al.	378/208
	BU	US 5,687,210	Nov. 11, 1997	Maitrejean et al.	378/57
	BV	US 5,769,072	Jun. 23, 1998	Olsson et al.	128/205.13
	BW	US 5,769,074	Jun. 23, 1998	Barnhill et al.	128/630
	BX	US 5,772,592	Jun. 30, 1998	Cheng et al.	600/407
	BY	US 5,852,647	Dec. 22, 1998	Schick et al.	378/53
	BZ	US 5,864,146	Jan. 26, 1999	Karellas	250/581
	CA	US 5,886,353	Mar. 23, 1999	Spivey et al.	250/370.09
	СВ	US 5,917,877	Jun. 29, 1999	Chiabrera et al.	378/5.3
	CC	US 5,931,780	Aug. 3, 1999	Giger et al.	600/407
	CD	US 5,945,412	Aug. 31, 1999	Fuh et al.	514/176
	CE	US 5,948,692	Sep. 7, 1999	Miyauti et al.	436/501
	CF	US 6,029,078	Feb. 22, 2000	Weinstein et al.	600/407
	CG	US 6,064,716	May 16, 2000	Siffert et al.	378/53
	CH	US 6,108,635	Aug. 22, 2000	Herren et al.	705/2
	CI	US 6,156,799	Dec. 5, 2000	Hartke et al.	514/573
	CJ	US 6,178,225	Jan. 23, 2001	Zur et al.	378/98.2
	CK	US 6,205,348	Mar. 20, 2001	Giger et al.	600/407
	CL	US 6,215,846	Apr. 10, 2001	Mazess et al.	378/62
	CM	US 6,226,393	May 1, 2001	Grunkin et al.	382/128

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	CN	US 6,248,063	Jun. 19, 2001	Barnhill et al.	600/300			
	CO	US 6,249,692	Jun. 19, 2001	Cowin	600/407			
	CP	US 6,252,928	Jun. 26, 2001	MacKenzie	378/54			
	CQ	US 6,285,901	Sep. 4, 2001	Taicher et al.	600/410			
	CR	US 6,289,115	Sep. 11, 2001	Takeo	382/130			
	CS	US 6,302,582	Oct. 16, 2001	Nord et al.	378/207			
	CT	US 6,315,553	Nov. 13, 2001	Sachdeva et al.	433/24			
	CU	US 6,320,931	Nov. 20, 2001	Arnold	378/56			
	CV	US 6,377,653	Apr. 23, 2002	Lee et al.	378/54			
	CW	US 6,411,729	Jun. 25, 2002	Grunkin	382/132			
	CX	US 6,430,427	Aug. 6, 2002	Lee et al.	600/407			
	CY	US 6,449,502	Sep. 10. 2002	Ohkubo	600/407			
	CZ	US 6,463,344	Oct. 8, 2002	Pavloskaia et al.	700/98			
	DA	US 6,501,827	Dec. 31, 2002	Takasawa	378/116			
	DB	US 6,556,698	Apr. 29, 2003	Diano et al.	382/132			
	DC	US 6,690,761	Feb. 10, 2004	Lang et al.	378/56			
	DD	US 6,694,047	Feb. 17, 2004	Farrokhnia et al.	382/132			
	DE	US 6,717,174	Apr. 6, 2004	Karellas	250/582			
	DF	US 6,799,066	Sep. 28, 2004	Steines et al.	600/407			
	DG	US 6,807,249	Oct. 19, 2004	Dinten et al.	378/54			
	DH	US 6,811,310	Nov. 2, 2004	Lang et al.	378/169			
	DI	US 6,824,309	Nov. 30, 2004	Robert-Coutant et al.	378/207			
	DJ	US 6,829,378	Dec. 7, 2004	DiFilippo et al.	382/128			
	DK	US 6,835,377	Dec. 28, 2004	Goldberg et al.	424/93.7			
	DL	US 6,836,557	Dec. 28, 2004	Tamez-Pena et al.	382/128			
	DM	US 6,895,077	May 17, 2005	Karellas et al.	378/98.3			
	DN	US 6,904,123	Jun. 7, 2005	Lang	378/54			
	DO	US 6,934,590	Aug. 23, 2005	Ogawa	700/19			
	DP	US 6,975,894	Dec. 13, 2005	Wehrli et al.	600/407			
	DQ	US 7,050,534	May 23, 2006	Lang	378/54			

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	DR	US 7,058,159	Jun. 6, 2006	Lang et al.	378/54					
	DS	US 7,120,225	Oct. 10, 2006	Lang et al.	378/54					
	DT	US 7,184,814	Feb. 27, 2007	Lang et al.	600/416					
	DU	US 7,239,908	Jul. 3, 2007	Alexander et al.	600/427					
	DV	US 7,245,697	Jul. 17, 2007	Lang	378/54					
	DW	US 7,292,674	Nov. 6, 2007	Lang	378/54					
	DX	US 7,379,529	May 27, 2008	Lang	378/54					
	DY	US 7,467,892	Dec. 23, 2008	Lang et al.	378/207					
	DZ	US 7,545,964	Jun. 9, 2009	Lang et al.	382/128					
	EA	US 7,580,504	Aug. 25, 2009	Lang et al.	378/56					
	EB	US 7,660,453	Feb. 9, 2010	Lang	382/132					
	EC	US 7,664,298	Feb. 16, 2010	Lang et al.	382/128					
	ED	US 7,676,023	Mar. 9, 2010	Lang	378/54					

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Initials	Number	Number	Date		Subclass			
	EE	US 2002/0087274	Jul. 4, 2002	Alexander et al.	702/19			
	EF	US 2002/0159567	Oct. 31, 2002	Sako et al.	378/117			
	EG	US 2002/0186818	Dec. 12, 2002	Arnaud et al.	378/165			
	EH	US 2002/0194019	Dec. 19, 2002	Evertsz	705/2			
	EI	US 2002/0196966	Dec. 26, 2002	Jiang et al.	382/132			
	EJ	US 2003/0015208	Jan. 23, 2003	Lang et al.	128/922			
	EK	US 2003/0198316	Oct. 23, 2003	Dewaele et al.	378/54			
	EL	US 2004/0106868	Jun. 3, 2004	Liew et al.	600/442			
	EM	US 2004/0242987	Dec. 2, 2004	Liew et al.	600/407			
	EN	US 2004/0247074	Dec. 9, 2004	Langton	378/54			
	EO	US 2005/0015002	Jan. 20, 2005	Dixon et al.	600/407			

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Examiner	Reference	Document	Publication	Inventor	Class/					
Initials	Number	Number	Date		Subclass					
	EP	US 2005/0148860	Jul. 7, 2005	Liew et al.	600/410					
	EQ	US 2005/0240096	Oct. 27, 2005	Ackerman et al.	600/410					
	ER	US 2006/0062442	Mar. 23, 2006	Arnaud et al.	382/128					
	ES	US 2007/0047794	Mar. 1, 2007	Lang et al.	382/132					
	ET	US 2007/0274442	Nov. 29, 2007	Gregory et al.	378/54					
	EU	US 2008/0031412	Feb. 7, 2008	Lang et al.	378/54					
	EV	US 2008/0058613	Mar. 6, 2008	Lang et al.	600/300					
	EW	US 2008/0097794	Apr. 24, 2008	Arnaud et al.	705/3					
	EX	US 2008/0219412	Sep. 11, 2008	Lang	378/207					
	EY	US 2009/0207970	Aug. 20, 2009	Lang	378/38					
	EZ	US 2009/0225958	Sep. 10, 2009	Lang	378/207					
	FA	US 2010/0014636	Jan. 21, 2010	Lang et al.	378/56					

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Examiner Initials	Reference Number	Country Code	Document Number	Publication Date	Patentee/ Applicant	Class/ Subclass		
	FB	CA	2342344	Mar. 9, 2000	Arch Development Corporation	G06K 9/00		
	FC	DE	19853965	May 31, 2000	Siemens AG	A61F 2/28		
	FD	DE	19853965 (English Abstract)	May 31, 2000	Siemens AG	A61F 2/28		
	FE	EP	0314506	May 3, 1989	The Governors of the University of Alberta	A61B 6/14		
	FF	EP	0570936	Aug. 9, 2000	Aloka Co. Ltd.	A61B 8/08		
	FG	EP	0678191	Feb. 21, 2001	Arnold	G01D 18/00		
	FH	EP	0797952	Oct. 1, 1997	Hologic, Inc.	A61B 8/08		
	FI	EP	1069395	Jul. 12, 2006	Nitto Denko Corp.	G01B 3/10		

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		F	OREIGN PAT	ENT DOCUMEN	NTS	
Examiner Initials	Reference Number	Country Code	Document Number	Publication Date	Patentee/ Applicant	Class/ Subclass
	FJ	EP	1230896	Aug. 14, 2002	Herzog	A61B 6/14
	FK	EP	1230896 (English Abstract)	Aug. 14, 2002	Herzog	A61B 6/14
	FL	EP	1283492	Feb. 12, 2003	Arch Development Corporation	G06F 19/00
	FM	EP	1349098	Oct. 1, 2003	Agfa-Gevaert N.V.	G06F 19/00
	FN	EP	1357480	Oct. 29, 2003	Agfa-Gevaert N.V.	G06F 17/00
	FO	EP	1424650	Jun. 2, 2004	Canon Kabushiki Kaisha	G06F 19/00
	FP	EP	1598778	Nov. 23, 2005	Agfa-Gevaert	G06T 3/40
	FQ	GB	2023920	Jan. 3, 1980	Thoro-Ray Inc.	H01J 35/14
	FR	JP	05 099829	Apr. 23, 1993	Matsushita Electric Ind. Co. Ltd.	G01N 9/24
	FS	JP	05 099829 (English Abstract)	Apr. 23, 1993	Matsushita Electric Ind. Co. Ltd.	G01N 9/24
	FT	JP	08 186762	Jul. 16, 1996	Toshiba Medical Eng.	H04N 5/325
	FU	JP	08 186762 (English Abstract)	Jul. 16, 1996	Toshiba Medical Eng.	H04N 5/325
	FV	JP	10 145396	May 29, 1998	Siemens AG	H04L 12/28
	FW	JP	10 145396 (English Abstract)	May 29, 1998	Siemens AG	H04L 12/28
	FX	JP	10 262959	May 29, 1998	Dainippon Printing Co. Ltd.	A61B 6/00
	FY	JP	10 262959 (English Abstract)	Oct. 6, 1998	Dainippon Printing Co. Ltd.	A61B 6/00

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Examiner	Reference	Country	Document	Publication	Patentee/	Class/		
Initials	Number	Code	Number	Date	Applicant	Subclass		
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	GA	JP	11 069136	Mar. 9, 1999	Canon KK	H04N 1/387		
			(English					
			Abstract)					
	GB	JP	11 112877	Apr. 23, 1999	Fuji Photo Film Co. Ltd.	H04N 5/325		
	GC	JP	11 112877	Apr. 23, 1999	Fuji Photo Film Co.	H04N 5/325		
			(English		Ltd.			
			Abstract)					
	GD	JP	62 266053	Nov. 18, 1987		A61C 19/04		
	GE	JP	62 266053	Nov. 18, 1987		A61C 19/04		
			(English					
			Translation					
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	GF	JP	2000 126168	May 9, 2000	Teijin Ltd.	A61B 6/00		
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	GI	JP	2000 139889	May 23, 2000	Canon KK	A61B 6/00		
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	GJ	JP	2002 045722	Feb. 12, 2000	Inax Corp.	B02C 18/42		
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	GN	WO	94/012855	Jun. 9, 1994	Arnold	G01D 18/00		
		WO	95/014431	Jun. 1, 1995	Arch Development Corp.	A61B 5/103		
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Initials	Number	Code	Number	Date	Applicant	Subclass
	GP	WO	99/045371	Sep. 10, 1999	Image Analysis, Inc.	G01N 23/06
	GQ	WO	99/052331	Oct. 14, 1999	Miles	H05G 1/10
	GR	WO	00/033157	Jun. 8, 2000	Hologic, Inc.	G06F
	GS	WO	01/038824	May 31, 2001	Hologic, Inc.	G01B 15/02
	GT	WO	01/063488	Aug. 30, 2001	Healthscreen International, Inc.	G06F 17/30
	GU	WO	01/065449	Sep. 7, 2001	Medeview.com, Inc.	G06F 17/60
	GV	WO	02/017789	Mar. 7, 2002	Osteonet.com, Inc.	A61B 6/00
	GW	WO	02/096284	Dec. 5, 2002	Imaging Therapeutics	A61B 5/00
	GX	WO	03/071934	Sep. 4, 2003	Imaging Therapeutics, Inc.	A61B
	GY	WO	03/073232	Sep. 4, 2003	Imaging Therapeutics, Inc.	G06F
	GZ	WO	03/088085	Oct. 23, 2003	Arizona Board of Regents	G06F 17/30
	HA	WO	2004/019256	Mar. 4, 2004	Imaging Therapeutics, Inc.	G06F 19/00
	НВ	WO	2004/025541	Mar. 25, 2004	Imaging Therapeutics, Inc.	G06F 19/00
	HC	WO	2004/062495	Jul. 29, 2004	Imaging Therapeutics, Inc	A61B 5/00
	HD	WO	2004/086972	Oct. 14, 2004	Imaging Therapeutics, Inc.	A61B 6/00
	HE	WO	2004/096048	Nov. 11, 2004	Wright State University	A61B 6/00
	HF	WO	2005/027732	Mar. 31, 2005	Imaging Therapeutics, Inc.	A61B
	HG	WO	2006/033712	Mar. 30, 2006	Imaging Therapeutics, Inc.	A61B 6/00
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Initials	Number	Code	Number	Date	Applicant	Subclass	
	HI	WO	2008/034101	Mar. 20, 2008	Imaging	Not	
					Therapeutics, Inc.	Classified	

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Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date					
	HJ	Barker	"Case Method: Entity Relationship Modeling" (Computer Aided Systems Engineering), 1st Ed., Addison-Wesley Longman Pub. Co., Inc., 2 pages (Abstract Pages Only) (1990)					
	нк	Bauer et al.	"Biochemical Markers of Bone Turnover and Prediction of Hip Bone Loss in Older Women: The Study of Osteoporotic Fractures," <i>Journal of Bone</i> and Mineral Research, Vol. 14, pp. 1404-1410 (1999)					
	HL	Beck et al.	"Experimental Testing of a DEXA-Derived Curved Beam Model of the Proximal Femur," Journal of Orthopaedic Research, Vol. 16, No. 3, pages 394- 398 (1998)					
	HM	Black et al.	"An Assessment Tool for Predicting Fracture Risk in Postmenopausal Women" Osteoporosis International, Vol. 12, pp. 519-528 (2001)					
	HN	Cootes et al.	"Anatomical statistical models and their role in feature extraction," <i>The British Journal of Radiology</i> , Special Issue, 7 pages [S133-S139] (2004)					

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	но	Cootes et al.	"Statistical models of appearance for medical image analysis and computer vision," <i>Proc. SPIE Medical Imaging</i> , 14 pages, (2001)
	HP	Cootes	"An Introduction to Active Shape Models," Image Processing and Analysis, Ch. 7, pp. 1-26 (2000)
	НQ	Crabtree et al.	"Improving Risk Assessment: Hip Geometry, Bone Mineral Distribution and Bone Strength in Hip Fracture Cases and Controls. The EPOS Study," Osteoporosis Int., Vol. 13, pp. 48-54 (2002)
	HR	Crawley	"In Vivo Tissue Characterization Using Quantitative Computed Tomography: A Review," Journal of Medical Engineering & Technology, Vol. 14, No. 6, pp. 233-242 (1990)
	HS	Davies et al.	"A Minimum Description Length Approach to Statistical Shape Modeling," IEEE Transaction on Medical Imaging, Vol. 21, No. 5, pp. 525-537 (2002)
	нт	Duryea et al.	"New radiographic-based surrogate outcome measures for osteoarthritis of the knee," Osteoarthritis and Cartilage, Vol. 11, pp. 102-110 (2003)
	HU	Duryea et al.	"Trainable rule-based algorithm for the measurement of joint space width in digital radiographic images of the knee," <i>Medical Physics</i> , Vol. 27, No. 3, pp. 580-591 (2000)

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Filing Date: January 7, 2004 Examiner Name: Ramirez, John Fernando

Conf. No.: 6434

Invention: METHODS OF PREDICTING MUSCULOSKELETAL DISEASE

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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	IY	European Patent Office	EPO Communication – Appl. No. 04 700 619.2, dated December 13, 2007 (3 pages)
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	JA	International Searching Authority	International Preliminary Examination Report – Appl. No. PCT/US2003/030004, dated July 27, 2004 (2 pages)
	JB	International Searching Authority	International Search Report – Appl. No. PCT/US2003/030004, dated February 25, 2004 (5 pages)
	JC	United States Patent and Trademark Office	Copy of Office Action (Restriction Requirement) - Appl. No. 10/665,725, dated August 16, 2006 (6 pages)

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Examiner Signature:	/John Ramirez/ (06/17/2010)
	reference considered, whether or not citation is in conformance with
	hrough citation if not in conformance and not considered. Include copy communication to applicant.

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